1991 Annual Index for SIMULATION

Issues from Volume 56, Number 1 through Volume 57, Number 6

The following 1991 Annual Index contains two parts: a title and key word listing, and an author listing. All pertinent information concerning an article will be found in the author listing under the name of the first author. Co-authors, title, month of issue, pages, and the number of references, figures, and tables are shown.

The title and keyword listing shows the title, name of the first author, the page number on which the article begins, and month of publication. Also listed are keywords followed by title entries for the article in question. The average article is listed five times. Keywords are marked by an asterisk, followed by the title entry; a slash / indicates that a title has been truncated.

All material published in the journal has been indexed except letters to the editor, calls for papers, and notices and programs of meetings. Advertisers are not indexed.

Title and Keyword Listing

AACC*1991 awards of the American Automatic Control Council		199	Sep
abstraction*Conditions for computer simulation of thought processes to become/	Wojcik,V.	272	Apr
Adams-Bashforth*New family of real-time predictor-corrector integration/	Howe, R.M.	177	Sep
Adams-Moulton*New family of real-time predictor-corrector integration/	Howe, R.M.	177	Sep
Al & Simulation	Wildberger, A.M.	4	Jan
Al & Simulation	Wildberger, A.M.	76	Feb
Al & Simulation	Wildberger, A.M.	148	Mar
Al & Simulation	Wildberger, A.M.	220	Apr
AI & Simulation	Wildberger, A.M.	292	May
AI & Simulation	Wildberger, A.M.	364	Jun
Al & Simulation	Wildberger, A.M.	4	Jul
Al & Simulation	Wildberger, A.M.	84	Aug
Al & Simulation	Wildberger, A.M.	148	Sep
Al & Simulation	Wildberger, A.M.	212	Oct
AI & Simulation	Wildberger, A.M.	284	Nov
AI & Simulation	Wildberger, A.M.	356	Dec
airport simulation*Discrete event simulation of object movement and interactions	Corey,P.	167	Mar
American Automatic Control Council*1991 awards of the American Automatic Control Council	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	199	Sep
Angel Engineering*Presenting: Angel Engineering		261	Oct
Annual vendor index	Bradley, J.H.	372	Dec
Apollo*Role of JSC engineering simulation in the Apollo program	Lawrence, J.A.	9	Jul
Applications of the collision test to produce results consistent with the spectral test	Pierce, M.A.	335	Nov
Artificial noise in read-write simulation of optical disk and drive	Chao,S.	403	Jun
AS/R systems*Simulation model developed to analyze, evaluate and design storage allocation/	Mansuri, M.	231	Oct
attrition*Simulation approach to finding the stochastic behaviors of a time-dependent attrition/	Chang,S-L.	289	Nov
autocorrelation function*Decimal pseudo-random number generator/	Komo,J.J.	228	Oct
automatic program synthesis*Multiprocessor system for dynamic system simulation	Malbasa, V.	31	Jan
autopilot testing*Mathematical model to simulate small boat behaviour	Browning, A.W.	329	May
aviation education*Real-time simulation of air traffic control radar terminal with trainer/	Kornecki, A.	381	Jun
awards*Best paper awards, tour highlight, first SIMTEC conference	Stockton, C.G.	370	Dec
awards*SCS introduces Awards and Recognition Program		270	Oct
back-annotation*Investigating simulation of hardware at various levels of abstraction and/	Navabi,Z.	321	Nov
Backscatter*Simulation of a distributed processing system: a case study	Vemuri.V	302	May
barley*Simulation of epiphytic bacterial growth under field conditions	Caristi.J.	295	May
benchmarking Comparative simulation study of the performance of single-bus and two bus/	Obaidat, M.S.	9	Jan
berthing*Real-time berthing simulator for space station and space shuttle	Veerasamy S.	31	Jul
Best paper awards, tour highlight, first SIMTEC conference	Stockton, C.G.	370	Dec
binary and quinary maximal-length sequence*Decimal pseudo-random number generator	Komo,J.J.	228	Oct
biological phenomena Simulation of epiphytic bacterial growth under field conditions	Caristi.J.	295	May
biological systems*Design of simulation languages for systems with multiple modularities	Rowley,S.	153	Mar
biophysical properties*MDL: a system for fast simulation of large layered neural networks	Teeters, J.L.	369	Jun
Board of Directors*Financial austerity, European expansion, new initiatives	Stockton, C.G.	187	Sep
boats*Mathematical model to simulate small boat behaviour	Browning, A.W.	329	May
Book review: Art of Computer Systems Performance Analysis by Raj Jain	Mankin,A.	60	Jan

Park and any Artificial intelligence simulation and modeling but I. Widman, et al.	Chaile desa B	254	04
	Chaib-draa,B.	256 48	Oct
	Uyeno,D. Caselton,W.F.	87	Jan Aug
	Byrkett,D.L.	203	Mar
0 11	Muralidhar,K.	119	Feb
	Townsend, M.A.	114	Aug
	Tang, Z.	303	Nov
bylaws*Proposed draft of bylaws of SCSI	· · · · · · · · · · · · · · · · · · ·	188	Sep
	Diab,H.	89	Aug
0 011	McCulloch, M.D.	216	Oct
	Fu,L.	251	Apr
	Fu,L.	251	Apr
code generation*ISI - An environment for the engineering use of general purpose simulation/	Nolan, P.J.	41	Jan
code generators*Dynamics of spacecraft and manipulators	Thomas,S.	56	Jul
collision test*Applications of the collision test to produce results consistent with the spectral/	Pierce, M.A.	335	Nov
	Chang,S-L.	289	Nov
	Tsang,C.	197	Mar
	Obaidat,M.S.	9	Jan
Conditions for computer simulation of thought processes to become actual thought	Wojcik,V.	272	Apr
confidence levels*Bootstrap confidence intervals for estimating audit value from skewed/	Muralidhar,K.	119	Feb
consciousness*Conditions for computer simulation of thought processes to become actual/	Wojcik,V.	272	Apr
continuous time simulation*CASED: a simulation package designed for variable speed drives/	McCulloch, M.D.	216	Oct
continuous discrete language*Simulation and validation of a contour tracking system using/	Sahotay, H.S.	168	Sep
contour tracking *Simulation and validation of a contour tracking system using SIMAN	Sahotay,H.S.	168 17	Sep
control system*Real-time simulation of the space station Freedom attitude control system	Pope,T. Diab,H.	89	Jul
coral reef formation*Engineering applications of fractals cross-link parameters*Simulation of satellite motion for the study of cross-link pointing,/	Konkle, D.	99	Aug
data compression*Storing data from simulation runs for compactness and quick retrieval	Norman, T.A.	107	Aug
data storage*Storing data from simulation runs for compactness and quick retrieval	Norman, T.A.	107	Aug
dataflow*Investigating simulation of hardware at various levels of abstraction and timing/	Navabi,Z.	321	Nov
Decimal pseudo-random number generator	Komo,J.J.	228	Oct
demonstration simulation*PKDEMO - A pharmacokinetic demonstration simulation program	Pearce, B.A.	27	Jan
Design of expert system architecture for communications engineering simulation	Tsang,C.	197	Mar
Design of simulation languages for systems with multiple modularities	Rowley,S.	153	Mar
design of experiments*Experimental design strategy for designing robust systems using/	Wild,R.H.	358	Dec
Desktop simulation: modeling for managers	Rathburn, T.A.	316	May
Detailed simulation of a real world job shop with subassembly requirements	Townsend, M.A.	114	Aug
Discrete event simulation of object movement and interactions	Corey,P.	167	Mar
discrete event simulation Experimental design strategy for designing robust systems using/	Wild,R.H.	358	Dec
discrete event simulation*Integrated framework for knowledge-based modeling and/	Rozenblit, J.W.	152	Sep
discrete event simulation*ISI - An environment for the engineering use of general purpose/	Nolan,P.J.	41	Jan
discrete simulation*Expert system prototype assisting the statistical validation of simulation/	Deslandres, V.	79	Feb
discrete simulation*Simulation of white noise in dynamical systems	Pachter,M.	19	Jan
discrete time simulation*CASED: a simulation package designed for variable speed drives	McCulloch, M.D.	216 128	Oct Feb
discrete uniform random deviates*On simulating a die toss with coin flips discrete-event systems*GIBSS: a model specification framework for multi-stage,/	Pugh,G.A. DeMeter,E.C.	413	Jun
distributed processing system*Simulation of a distributed processing system: a case study	Vemuri.V	302	May
Dragoman: an expert system to aid users of a simulation model	Cooley, R.E.	111	Aug
Dynamic process plant simulation and scheduling: an expert systems approach	Sztrimbely, W.M.	175	Mar
dynamical equations*Dynamics of spacecraft and manipulators	Thomas,S.	56	Iul
Dynamics of spacecraft and manipulators	Thomas,S.	56	Jul
ecosystem*Simulation of epiphytic bacterial growth under field conditions	Caristi.J.	295	May
Editorial	Belpedio,R.	3	Jan
Editorial	Belpedio,R.	75	Feb
Editorial	Belpedio,R.	147	Mar
Editorial	Belpedio,R.	219	Apr
Editorial	Belpedio,R.	291	May
Editorial	Belpedio,R.	363	Jun
Editorial	Belpedio,R.	3	Jul
Editorial	Stockton, C.G.	147	Sep
Editorial Editorial	Linn,H.	211	Oct
Editorial Editorial	Linn,H.	283	Nov
EAROIGI	Linn,H.	355	Dec

electrical power system*Optimal dynamic scheduling of a power generation system to/	Forouzbakhsh,F.	241	Apr
Emergency management & engineering update	Sullivan,J.	402	Jun
Emergency management & engineering update	Clymer, A.B.	287	Nov
Engineering applications of fractals	Diab,H.	89	Aug
estimating audit values*Bootstrap confidence intervals for estimating audit value from/	Muralidhar, K.	119	Feb
Euler-Bernoulli theory*Dynamics of spacecraft and manipulators	Thomas,S.	56	Jul
European Simulation News	Geril,P.	64	Jan
European Simulation News	Geril,P.	131	Feb
European Simulation News	Geril,P.	207	Mar
European Simulation News	Geril,P.	313	Nov
Experimental design strategy for designing robust systems using discrete-event simulation	Wild,R.H.	358	Dec
Expert simulator for allocating the quality assurance effort in software development	Abdel-Hamid,T.	233	Apr
Expert system prototype assisting the statistical validation of simulation models	Deslandres, V.	79	Feb
expert system*Design of expert system architecture for communications engineering/	Tsang,C.	197	Mar
expert systems*Desktop simulation: modeling for managers	Rathburn, T.A.	316	May
expert systems*Dragoman: an expert system to aid users of a simulation model	Cooley, R.E.	111	Aug
expert systems*Dynamic process plant simulation and scheduling: an expert systems approach	Sztrimbely, W.M.	175	Mar
expert systems Expert system prototype assisting the statistical validation of simulation/	Deslandres, V.	79	Feb
fellowship*Link Foundation Fellowship in Advanced Simulation and Training		261	Oct
Financial austerity, European expansion, new initiatives	Stockton, C.G.	187	Sep
First computer simulation animation?	Stockton, C.G.	242	Oct
forecasting Time series forecasting using neural networks vs. Box-Jenkins methodology	Tang, Z.	303	Nov
fractals*Engineering applications of fractals	Diab,H.	89	Aug
Freedom*Man overboard rescue	Jensen,M.C.	39	Jul
furniture manufacturing plant*Detailed simulation of a real world job shop with subassembly/		114	Aug
Galois field*Decimal pseudo-random number generator	Komo,J.J.	228	Oct
Gaussian noise*Simulation of white noise in dynamical systems	Pachter,M.	19	Jan
GEMS*Simulating a JIT/kanban production system using GEMS	Swinehart, K.D.	262	Oct
General Physics Corporation*Visit to General Physics Corporation	Sharon,A.	166	Sep
generators Applications of the collision test to produce results consistent with the spectral test	Pierce,M.A.	335	Nov
GIBSS: a model specification framework for multi-stage, manufacturing system design	DeMeter,E.C.	413	Jun
goal programming*Optimal dynamic scheduling of a power generation system to satisfy/	Forouzbakhsh,F.	241	Apr
Good random number generator for microcomputers	Hultquist,P.F.	258	Oct
Graphical programming of simulation models in an object-oriented environment	Ozden,M.	104	Feb
graphical programming Graphical programming of simulation models in an object-oriented/	Ozden,M.	104	Feb
graphics*Interactive robotic simulation package	Parkin,R.E.	337	May
Guest editorial	Kirkham,R.	5	Jul
hardware languages*Investigating simulation of hardware at various levels of abstraction/	Navabi,Z.	321	Nov
hierarchical models*ISI - An environment for the engineering use of general purpose /	Nolan, P.J.	41	Jan Feb
hospital pharmacy*Simulation model for management of operations in the pharmacy of a/	Mukherjee, A.	91 196	_
hospital system*Simulation net approach to modelling and simulation	Törn,A.	185	Sep
hypercube*Performance study of the hypercube parallel processor architecture	Lamanna,C.A.	402	Mar
IEmergency management & engineering update Industry News	Sullivan,J.	61	Jun Jan
Industry News		205	Mar
Industry News		425	Jun
Industry News			2 Jul
Industry News		86	Aug
Industry News		176	Sep
Industry News		244	Oct
Industry News		311	Nov
Industry News		394	Dec
	Rozenblit, J.W.	152	Sep
Integrated framework for knowledge-based modeling and simulation of natural systems integration algorithms*New family of real-time predictor-corrector integration algorithms	Howe, R.M.	177	Sep
	Parkin, R.E.	337	May
Interactive robotic simulation package Investigating simulation of hardware at various levels of abstraction and timing /	Navabi,Z.	321	Nov
Investigating simulation of hardware at various levels of abstraction and timing/ ISI - An environment for the engineering use of general purpose simulation languages	Nolan, P.J.	41	Jan
	Swinehart, K.D.	262	Oct
job shop*Detailed simulation of a real world job shop with subassembly requirements	Townsend, M.A.	114	Aug
Johnson Space Center*Real-time simulation of the space station Freedom attitude control/	Pope,T.	17	Jul
joint configuration*Interactive robotic simulation package	Parkin, R.E.	337	May
kanbans*Simulating a JIT/kanban production system using GEMS	Swinehart, K.D.	262	Oct
kinematics*Interactive robotic simulation package	Parkin, R.E.	337	May
The state of the s			,

0 0	Rozenblit, J.W.	152	Sep
Lanchester-type combat model*Simulation approach to finding the stochastic behaviors of/ Link Foundation Fellowship in Advanced Simulation and Training	Chang,S-L.	289 261	Nov Oct
low-technology manufacturing*Detailed simulation of a real world job shop with subassembly/	Townsend, M.A.	114	Aug
lunar landing*Role of JSC engineering simulation in the Apollo program	Lawrence,J.A.	9	Jul
	Jensen, M.C.	39	Jul
	Rathburn, T.A. Thomas, S.	316 56	May Jul
	Yang, Y.K.	48	Jul
	Cook,J.	26	Jul
manufacturing system design*GIBSS: a model specification framework for multi-stage,/	DeMeter,E.C.	413	Jun
	Swinehart, K.D.	262	Oct
	Browning, A.W.	329 240	May
Math Works*Presenting: the Math Works Inc. Mathematical model to simulate small boat behaviour	Browning, A.W.	329	May
	Teeters,J.L.	369	Jun
,	Hultquist, P.F.	258	Oct
Model Development Language*MDL: a system for fast simulation of large layered neural/	Teeters,J.L.	369	Jun
model credibility*Expert system prototype assisting the statistical validation of simulation/	Deslandres, V.	79	Feb
multi-tasking environment*Real-time simulation of air traffic control radar terminal with/	Kornecki, A.	381	Jun
Multiprocessor system for dynamic system simulation multiprocessor systems*Comparative simulation study of the performance of single-bus and/	Malbasa, V. Obaidat, M.S.	9	Jan Jan
multiprocessor systems comparative sinulation study of the performance of single-bus and multiprocessors Multiprocessor system for dynamic system simulation	Malbasa, V.	31	Jan
natural systems modeling*Integrated framework for knowledge-based modeling and/	Rozenblit, J.W.	152	Sep
nematodes*Design of simulation languages for systems with multiple modularities	Rowley,S.	153	Mar
net model*Simulation net approach to modelling and simulation	Törn,A.	196	Sep
neural networks*MDL: a system for fast simulation of large layered neural networks	Teeters, J.L.	369	Jun
neural networks*Parallel simulation of neural networks neural networks*Time series forecasting using neural networks vs. Box-Jenkins methodology	Wang,C. Tang,Z.	223 303	Apr
New family of real-time predictor-corrector integration algorithms	Howe,R.M.	177	Sep
Non-linear pattern generator for testing digital VLSI circuitry	Robinson, J.P.	179	Mar
nuclear power plants*On choices between the two-fluid and the mixture models for/	Fabic,S.	391	Jun
nuclear power plants*Past accomplishments and future prospects in nuclear plant simulation	Rogers, K.C.	395	Jun
object movement*Discrete event simulation of object movement and interactions	Corey,P.	167	Mar
object-oriented environment*Graphical programming of simulation models in an/ On choices between the two-fluid and the mixture models for simulation of severe transients/	Ozden,M. Fabic,S.	104 391	Feb Jun
On simulating a die toss with coin flips	Pugh,G.A.	128	Feb
OpEM distributed simulation	Clymer, J.R.	396	Dec
Operational evaluation modeling*OpEM distributed simulation	Clymer,J.R.	396	Dec
operations strategy*Simulation model for management of operations in the pharmacy of a/	Mukherjee, A.	91	Feb
optical disk*Artificial noise in read-write simulation of optical disk and drive	Chao,S.	403	Jun
optical recording*Artificial noise in read-write simulation of optical disk and drive optical storage*Artificial noise in read-write simulation of optical disk and drive	Chao,S.	403	Jun Jun
Optimal dynamic scheduling of a power generation system to satisfy multiple criteria	Forouzbakhsh,F.	241	Apr
optimal scheduling*Optimal dynamic scheduling of a power generation system to satisfy/	Forouzbakhsh,F.	241	Apr
optimization*Design of expert system architecture for communications engineering simulation	Tsang,C.	197	Mar
orbital mechanics/Man overboard rescue	Jensen, M.C.	39	Jul
OTH-B*Simulation of a distributed processing system: a case study	Vemuri.V.	302	May
Over The Horizon*Simulation of a distributed processing system: a case study Parallel simulation of neural networks	Vemuri.V. Wang,C.	302 223	May Apr
parallel processor*Performance study of the hypercube parallel processor architecture	Lamanna,C.A.	185	Mar
parallel simulation*Parallel simulation of neural networks	Wang,C.	223	Apr
Past accomplishments and future prospects in nuclear plant simulation	Rogers, K.C.	395	Jun
PATRIOT missile system: the final evaluation	Sisle,M.	152	Mar
pattern generator*Non-linear pattern generator for testing digital VLSI circuitry	Robinson, J.P.	179	Mar
pattern recognition*Simulation and validation of a contour tracking system using SIMAN PC storyboard*PKDEMO - A pharmacokinetic demonstration simulation program	Sahotay,H.S. Pearce,B.A.	168 27	Sep
Performance study of the hypercube parallel processor architecture	Lamanna,C.A.	185	Mar
performance evaluation *Comparative simulation study of the performance of single-bus and/	Obaidat, M.S.	9	Jan
PERT*Simulation approach to PERT network analysis	Badiru, A.B.	245	-
pharmacokinetic model*PKDEMO - A pharmacokinetic demonstration simulation program	Pearce, B.A.	27	Jan
pilot-in-the-loop*Real-time berthing simulator for space station and space shuttle	Veerasamy S.	31	Jul
pilot-in-the-loop*Real-time simulation of the space station Freedom attitude control system	Pope,T.	17	Jul

PKDEMO - A pharmacokinetic demonstration simulation program	Pearce, B.A.	27	Jan
plant pathology*Simulation of epiphytic bacterial growth under field conditions	Caristi.J.	295	May
plant scheduling*Dynamic process plant simulation and scheduling: an expert systems/	Sztrimbely, W.M.	175	Mar
Pollution*Integrated framework for knowledge-based modeling and simulation of natural/	Rozenblit, J.W.	152	Sep
predictor-corrector*New family of real-time predictor-corrector integration algorithms	Howe,R.M.	177	Sep
Presenting: Angel Engineering	110110,101111.	261	Oct
Presenting: the Math Works Inc.		240	Oct
Presenting: VME Microsystems International Corporation		302	Nov
Proposed draft of bylaws of SCSI		188	Sep
radar*Real-time simulation of air traffic control radar terminal with trainer interface	Kornecki, A.	381	Jun
radar*Simulation of a distributed processing system: a case study	Vemuri.V	302	May
random number generator*Good random number generator for microcomputers	Hultquist, P.F.	258	Oct
randomness*Applications of the collision test to produce results consistent with the spectral/	Pierce, M.A.	335	Nov
real time simulation*Multiprocessor system for dynamic system simulation	Malbasa, V.	31	Jan
Real-time berthing simulator for space station and space shuttle	Veerasamy S.	31	Jul
Real-time simulation of air traffic control radar terminal with trainer interface	Kornecki, A.	381	Jun
Real-time simulation of the space station Freedom attitude control system	Pope,T.	17	Jul
Real-time simulator for the shuttle manipulator system in the system engineering laboratory	Yang, Y.K.	48	Jul
recognition*SCS introduces Awards and Recognition Program	0,	270	Oct
robotics*Space station rendezvous and berthing	Cook,J.	26	Jul
robots*Interactive robotic simulation package	Parkin, R.E.	337	May
RobSim*Interactive robotic simulation package	Parkin, R.E.	337	May
robust system design*Experimental design strategy for designing robust systems using/	Wild, R.H.	358	Dec
Role of JSC engineering simulation in the Apollo program	Lawrence, J.A.	9	Jul
rule-based logistics*Dynamic process plant simulation and scheduling: an expert systems/	Sztrimbely, W.M.	175	Mar
satellite*Simulation of satellite motion for the study of cross-link pointing, acquisition, and/	Konkle,D.	99	Aug
SCS introduces Awards and Recognition Program		270	Oct
SCS officials visit S3 Technologies	Sharon, A.	242	Oct
SCSC '91:a great success	Pace,D.	130	Aug
SCSC Board of Directors meeting*Financial austerity, European expansion, new initiatives	Stockton, C.G.	187	Sep
SDI*OpEM distributed simulation	Clymer,J.R.	396	Dec
SEI*Role of JSC engineering simulation in the Apollo program	Lawrence, J.A.	9	Jul
settling tanks*Engineering applications of fractals	Diab,H.	89	Aug
shared memory*Parallel simulation of neural networks	Wang,C.	223	Apr
shuttle*Real-time simulator for the shuttle manipulator system in the system engineering/	Yang, Y.K.	48	Jul
SIMAN*Simulation and validation of a contour tracking system using SIMAN	Sahotay, H.S.	168	Sep
SIMAN*Simulation model for management of operations in the pharmacy of a hospital	Mukherjee, A.	91	Feb
Simple extensions of safe-point methods for stiff systems	Bradley, J.H.	400	Jun
SIMTEC*Best paper awards, tour highlight, first SIMTEC conference	Stockton, C.G.	370	Dec
Simulating a JIT/kanban production system using GEMS	Swinehart, K.D.	262	Oct
Simulation and validation of a contour tracking system using SIMAN	Sahotay, H.S.	168	Sep
Simulation approach to finding the stochastic behaviors of a time-dependent attrition process	Chang,S-L.	289	Nov
Simulation approach to PERT network analysis	Badiru, A.B.	245	Oct
Simulation in the Service of Society	McLeod,J.	69	Jan
Simulation in the Service of Society	McLeod,J.	141	Feb Mar
Simulation in the Service of Society	McLeod,J.	213 285	Apr
Simulation in the Service of Society	McLeod,J. McLeod,J.	357	May
Simulation in the Service of Society	McLeod,J.	429	Jun
Simulation in the Service of Society Simulation in the Service of Society	McLeod,J.	76	Jul
Simulation in the Service of Society	McLeod,J.	141	Aug
Simulation in the Service of Society	McLeod,J.	204	Sep
Simulation in the Service of Society	McLeod,J.	276	Oct
Simulation in the Service of Society	McLeod,J.	348	Nov
Simulation in the Service of Society	McLeod,J.	386	Dec
Simulation in the Service of Society Simulation model developed to analyze, evaluate and design storage allocation and AS/R/	Mansuri, M.	231	Oct
Simulation model for management of operations in the pharmacy of a hospital	Mukherjee, A.	91	Feb
Simulation net approach to modelling and simulation	Törn, A.	196	Sep
Simulation Network News	Fishwick,P.	5	Jan
Simulation Network News	Fishwick,P.	77	Feb
Simulation Network News	Fishwick,P.	149	Mar
Simulation Network News	F.shwick,P.	221	Apr
		293	May

Simulation Network News	Fishwick,P.	367	Jun
California de la companya de la comp	Fishwick,P.	7	Jul
	Fishwick,P.	149	Sep
	Fishwick,P.	214	Oct
	Fishwick,P.	285	Nov
0 /	Vemuri,V.	302	May
Simulation of epiphytic bacterial growth under field conditions	Caristi,J.	295	May
Simulation of satellite motion for the study of cross-link pointing, acquisition, and tracking	Konkle,D.	99	Aug
	Pachter,M.	19	Jan
	Nolan,P.J.	41	Jan
	Abdel-Hamid,T.	233	Арг
0	Rathburn, T.A.	316	May
	Abdel-Hamid,T.	233	Apr
	Abdel-Hamid,T.	233	Apr
0 1	Dougherty,M.	201	Sep
Space Exploration Initiative*Role of JSC engineering simulation in the Apollo program	Lawrence,J.A.	9	Jul
Space station rendezvous and berthing	Cook,J.	26	Jul
space station*Man overboard rescue	Jensen, M.C.	39	Jul
space station*Real-time berthing simulator for space station and space shuttle	Veerasamy S.	31	Jul
space station*Real-time simulation of the space station Freedom attitude control system	Pope,T.	17	Jul
spacecraft control*Real-time simulation of the space station Freedom attitude control system	Pope,T.	17	Jul
spacecraft control*Space station rendezvous and berthing	Cook,J.	26	Jul
spacecraft*Dynamics of spacecraft and manipulators	Thomas,S.	56	Jul
Special issues of SIMULATION: future directions	Birta,L.G.	365	Jun
spectral test*Applications of the collision test to produce results consistent with the spectral/	Pierce, M.A.	335	Nov
STARC*Simulation approach to PERT network analysis	Badiru, A.B.	245	Oct
STATGRAPHICS*Simulation approach to PERT network analysis	Badiru, A.B.	245	Oct
stiff differential equations*CASED: a simulation package designed for variable speed drives	McCulloch, M.D.	216	Oct
stiff systems*Simple extensions of safe-point methods for stiff systems	Bradley, J.H.	400	Jun
stochastic behavior*Simulation approach to finding the stochastic behaviors of a/	Chang,S- L.	289	Nov
Storing data from simulation runs for compactness and quick retrieval	Norman, T.A.	107	Aug
Strategic Defense Initiative*OpEM distributed simulation	Clymer,J.R.	396	Dec
subassembly requirements*Detailed simulation of a real world job shop with subassembly/	Townsend, M.A.	114	Aug
Systems Engineering Simulator*Real-time simulator for the shuttle manipulator system in/	Yang, Y.K.	48	Jul
systems dynamics*Dragoman: an expert system to aid users of a simulation model	Cooley, R.E.	111	Aug
Taguchi method*Experimental design strategy for designing robust systems using/	Wild,R.H.	358	Dec
Technical Activity Committee*Emergency management & engineering update	Sullivan,J.	402	Jun
teleoperators*Space station rendezvous and berthing	Cook,J.	26	Jul
thought processes *Conditions for computer simulation of thought processes to become/	Wojcik,V.	272	Apr
Time series forecasting using neural networks vs. Box-Jenkins methodology	Tang,Z.	303	Nov
tracking*Simulation of satellite motion for the study of cross-link pointing, acquisition, and/	Konkle,D.	99	Aug
traffic controllers*Real-time simulation of air traffic control radar terminal with trainer interface	Kornecki, A.	381	Jun
tri-level autocorrelation*variable speed drives*CASED: a simulation package designed for/	McCulloch, M.D.	216	Oct
two-dimensional arrays*MDL: a system for fast simulation of large layered neural networks	Teeters,J.L.	369	Jun
underground seepage*Engineering applications of fractals	Diab,H.	89	Aug
validation*Expert system prototype assisting the statistical validation of simulation models	Deslandres, V.	79	Feb
variable speed drives*CASED: a simulation package designed for variable speed drives	McCulloch, M.D.	216	Oct
Vermis*Design of simulation languages for systems with multiple modularities	Rowley,S.	153	Mar
VHDL*Investigating simulation of hardware at various levels of abstraction and timing/	Navabi,Z.	321	Nov
Visit to General Physics Corporation	Sharon, A.	166	Sep
VLSI circuitry*Non-linear pattern generator for testing digital VLSI circuitry	Robinson, J.P.	179	Mar
VME Microsystems*Presenting: VME Microsystems International Corporation		302	Nov
water quality modeling*Integrated framework for knowledge-based modeling and simulation/	Rozenblit, J.W.	152	Sep
world model*Dragoman: an expert system to aid users of a simulation model	Cooley, R.E.	111	Aug
WSC '90: An after-conference report	Unger,B	7	Jan

Author Listing

Abboud, N. See Diab, H.

Abdel-Hamid, T.K.; Leidy, F.H. An expert simulator for allocating the quality assurance effort in software development Apr pp 233-240 7F Almeida, C.de See Tang, Z.

Ames, G.A. See Muralidhar, K.

Badiru,A.B. A simulation approach to PERT network analysis Oct pp 245-255 17R 12F 3T Bays,C. See Pierce,M.A.

Belpedio, R. Editorial Jan p3; Feb p75; Mar p147; Apr p219; May p291; Jun p363; Jul p3.
 Birta, L.G. Special issues of SIMULATION: future directions

Jun p365

Blackstone, J.H., Jr. See Swinehart, K.D.

Bradley, J.H. Annual vendor index Dec pp372-393

Bradley, J.H. Simple extensions of safe-point methods for stiff

systems Jun pp400-401 2R Browning, A.W. A mathematical model to simulate small boat behaviour May pp329-336 16R 5F Byrkett,D.L. Book review: Simulation - a problem solving

approach by S.V.Hoover and R.F. Perry Mar pp203-204 3R Caristi, J., Sands, D.C., Georgakopoulos, D.G. Simulation of

epiphytic bacterial growth under field conditions May pp295-301 14R 6F

Caselton, W.F. Book review: Modern Statistical, Systems, and GPSS Simulation by Z.A. Karian and E.J. Dudewicz Aug

Chaib-draa, B. Book review: Artificial intelligence, simulation, and modeling by L. Widman, K. Loparo, and N. Nielson

Chang, S-L.; Menq, J-Y. A simulation approach to finding the stochastic behaviors of a time-dependent attrition process Nov pp289-299 8R 5F 3 Γ

Chao, S.; Yang, T-Y. Artificial noise in read-write simulation of optical disk and drive Jun pp 403-412 16R 7F

Cieplak, J. See Kornecki, A.

Clymer, A.B. Emergency management & engineering update Nov p287

Clymer, J.R.; Hernandez, D. OpEM distributed simulation Dec pp 396-405 17R 11F

Cook, J.; Wicks, D. Space station rendezvous and berthing

Jul pp26-30 4R 6F Cooley,R.E.;El-Hadad,K. Dragoman: an expert system to aid users of a simulation model Aug pp 111-113 11R

Corey, P.D.; Clymer, J.R. Discrete event simulation of object movement and interactions Mar pp 167-174 12R 4F Deisenroth, M.P. See DeMeter, E.C.

Deiters, R.M. See Forouzbakhsh, F

DeMeter, E.C.; Deisenroth, M.P. GIBSS: a model specification framework for multi-stage,manufacturing system design Jun pp413-421 11R 8F 2T

Deslandres, V.; Pierreval, H. Expert system prototype assisting the statistical validation of simulation models Feb pp 79-89 39R 2F

Diab, H.; Abboud, N. The engineering applications of fractals Aug pp 89-97 18R 10F

Dougherty, M. Southwestern Council meeting report: Expectations for simulation professionals Sep p201

Edwards, G.L. See Sahotay, H.S. El-Hadad, K. See Cooley, R.E.

Fabic,S. On choices between the two-fluid and the mixture models for simulation of severe transients in nuclear power plants Jun pp391-394 6R Falkner, A.H. See Sahotay, H.S.

Fegan, J.M. See Nolan, P.J.
Fishwick, P. Simulation Network News Jan p5; Feb p77;
Mar p149; Apr p221; May p293; Jun p367; Jul p7; Sept p149; Oct p214; Nov p285

Fishwick, P. See Tang, Z. Foale, C.M. See Jensen, M.C.

Forouzbakhsh, F.; Deiters, R.M.; Kermanshahi, B.S. Optimal dynamic scheduling of a power generation system to satisfy multiple criteria Apr pp 241-249 8R 4F 5T Fu,L.M. CAUSIM: A rule-based causal simulation system

Apr pp 251-256 23R 2F 1T

Georgakopoulos, D.G. See Caristi, J.

Geril, P. European Simulation News Jan pp 64-66; Feb pp 131-138; Mar p207; Nov pp 313-320

Greene, M. See Konkle, D. Hernandez, D. See Clymer, J.R. Hines, J.M. See Jensen, M.C.

Howe, R.M. A new family of real-time predictor-corrector integration algorithms Sep pp177-186 6R 10F 1T Hubbard, J. See Veerasamy, S

Hultquist, P.F. A good random number generator for microcomputers Oct pp 258-259 5R 2F

Jankowski, P.L. See Rozenblit, J.W.

Jensen, M.C.; Hines, J.M.; Foale, C.M. Man overboard rescue Jul pp 39-47 2R 10F Kermanshahi, B.S. See Forouzbakhsh, F.

Kirkham, R. Guest editorial Jul p5

Komo, J.J.; Park, W.J., Jr. Decimal pseudo-random number generator Oct pp 228-230 6R 1F 1T Konkle, D.; Greene, M. A simulation of satellite motion for the

study of cross-link pointing, acquisition, and tracking Aug pp 99-105 6R 8F Kornecki, A.; Cirolak, J.; Schneider, A. Real-time simulation of

air traffic control radar terminal with trainer interface Jun pp 381-389 9R 15F Kuo, Y.M. See Yang, Y.K.

Lamanna, C.A.; Shaw, W.H.Jr. A performance study of the hypercube parallel processor architecture Mar pp 185-196 15R 6F 6T

Lamb, T.W. See Townsend, M.A. Landy, C.F. See McCulloch, M.D.

Lawrence, J.A., Smith, H.E. The role of JSC engineering simulation in the Apollo program Jul pp9-16 16F

Leidy, F.H. See Abdel-Hamid, T.K. Levy, W. See McCulloch, M.D. Linn,H. Editorial Nov p283

MacLeod, I. See McCulloch, M.D. Malbasa, V. A multiprocessor system for dynamic system simulation Jan pp 31-40 10R 7F 3T

Mankin, A. Book review: The Art of Computer Systems Performance Analysis . . . by R. Jain Jan p60

Mansuri, M. Simulation model developed to analyze, evaluate and design storage allocation and AS/R systems operation Oct pp 231-239 2R 8F

Massoumi, M. See Navabi, Z

McCulloch, M.D.; Landy, C.F.; Levy, W.; MacLeod, I. CASED: A simulation package designed for variable speed drives Oct pp216-226 16R 9F 1T

McLeod, J. Simulation in the Service of Society Jan pp69-72; Feb pp141-144; Mar pp 213-216; Apr pp 285-288; May pp 357-360; Jun pp 429-432; Jul pp76-80; Aug pp141-144; Sep pp 204-208; Oct pp 276-280; Nov pp348-352; Dec pp 386-390

Mukherjee, A.K. A simulation model for management of operations in the pharmacy of a hospital Feb pp 91-103

11R 8F 11T

Muralidhar, K.; Ames, G.A.; Sarathy, R. Bootstrap confidence intervals for estimating audit value from skewed populations and small samples Feb pp 119-127 19R 6T

Navabi, Z.: Massoumi, M. Investigating simulation of hardware at various levels of abstraction and timing backannotation of dataflow descriptions Nov pp321-332 9R

Nolan, P.J.; Lane, G.M.; Fegan, J.M. ISI - An environment for the engineering use of general purpose simulation languages Jan pp 41-47 16R 7F 1T Lane,G.M. See Nolan, P.J.

Norman, T.A. Storing data from simulation runs for compactness and quick retrieval Aug pp 107-110 2R 1F 2T

Obaidat, M.S.; Radaideh, M.A. Comparative simulation study of the performance of single-bus and two-bus multiprocessors Jan pp 9-18 11R 13F 4T
Ozden,M.H. Graphical programming of simulation models

in an object-oriented environment Feb pp 104-116 27R

Pace,D. SCSC '91: a great success Aug pp 130-131 Pachter,M.; Briggs, M.M. Simulation of white noise in dynamical systems Jan pp 19-25 3R

Park, W.J., Jr. See Komo, J.J.

Parkin, R.E. An interactive robotic simulation package May pp 337-345 17R 7F

Pearce, B.A.; Young, J.F. PKDEMO - A pharmacokinetic demonstration simulation program Jan pp 27-30 5R 5F

Pierce, M.A.; Bays, C. Applications of the collision test to produce results consistent with the spectral test Nov pp 335-343 3R 5F 6T

Pierreval, H. See Deslandres, V Pignatiello, J.J., Jr. See Wild, R.H.

Pope, T. Real-time simulation of the space station Freedom attitude control system Jul pp 17-25 4R 13F

Pugh, G.A. On simulating a die toss with coin flips Feb pp 128-130 3R 2F

Radaideh, M.A. See Obaidat, M.S.

Rathburn, T.A.; Weinroth, G.J. Desktop simulation: modeling for managers May pp 316-320 16R 9F

Robinson, J.P. A non-linear pattern generator for testing digital VLSI circuitry Mar pp 179-184 11R 5F 3T Rockland, C. See Rowley, S.

Rogers, K.C. Past accomplishments and future prospects in nuclear plant simulation Jun pp 395-399

Rowley, S.; Rockland, C. Design of simulation languages for systems with multiple modularities Mar pp 153-163 24R 13F

Rozenblit, J.W.; Jankowski, P.L. An integrated framework for knowledge-based modeling and simulation of natural systems Sep pp 152-165 43R 11F 1T

Sahotay, H.S.; Edwards, G.L.; Falkner, A.H. Simulation and validation of a contour tracking system using SIMAN Sep pp 168-175 4R 23F

Sands, D.C. See Caristi, J. Sarathy, R. See Muralidhar, K. Schneider, A. See Kornecki, A. Sharon, A. SCS officials visit S3 Technologies Oct p242 Sharon, A. Visit to General Physics Corporation Sep p166 Shaw, W.H.Jr. See Lamanna, C.A.

Sisle, M. PATRIOT missile system: the final validation Mar

Smith, H.E. See Lawrence, J.A.

Stockton, C.G. Best paper awards, tour highlight, first SIMTEC conference Dec pp 369-371

Stockton, C.G. Editorial, introducing Hildy Linn Sep p147 Stockton, C.G. First computer simulation animation? Oct p 242

Stockton, C.G. SCSC 1991: a review Sep pp 187-188 Sullivan, J. Emergency management & engineering update

Swinehart, K.D.; Blackstone, J.H., Jr. Simulating a JIT/kanban production system using GEMS Oct pp 262-269 10R

Sztrimbely, W.M.; Weymouth, P.J. Dynamic process plant simulation and scheduling: an expert systems approach Mar pp 175-178 Tang,Z.;Almeida,C.de;Fishwick,P.A. Time series forecasting

using neural networks vs. Box-Jenkins methodology Nov pp 303-310 8R 5F 8T

Teeters, J.L. MDL: a system for fast simulation of larg layered neural networks Jun pp 369-379 14R 12F Thomas, S. Dynamics of spacecraft and manipulators Jul pp

56-72 144R 7F 2T Törn,A. The simulation net approach to modelling and simulation Sep pp 196-198 9R 3F

Townsend, M.A.; Lamb, T.W. Detailed simulation of a real world job shop with subassembly requirements Aug pp 114-128 16R 4F 5T

Tsang,C. A design of expert system architecture for communications engineering simulation Mar pp 197-202

Unger, B. WSC '90: an after-conference report Jan p7 Uyeno, D. Book review: An Introduction to Simulation Using GPSS/H by T.Schriber Jan p48 Veerasamy,S.;Hubbard,J. Real-time berthing simulator for

space station and space shuttle Jul pp 31-38 5R 9F 1T Vemuri,V. Simulation of a distributed processing system: a case study May pp 302-315 9R 7F 4T Wang,C.-J.;Wu,C.-H. Parallel simulation of neural networks

Apr pp 223-232 16R 4F 5T Weinroth, G.J. See Rathburn, T.A. Weymouth, P.J. See Sztrimbely, W.M.

Wicks, D. See Cook, J.

Wild, R.H.; Pignatiello, J.J., Jr. An experimental design strategy for designing robust systems using discrete-event simula-

tion Dec pp 358-368 27R 8T Wildberger, A.M. Al & simulation Jan p 4; Feb p 76; Mar p 148; Apr p 220; May p292; Jun p 364; Jul p 4; Aug p 84; Sep p 148; Oct p 212; Nov p 284; Dec p 356
Wojcik, V. Conditions for computer simulation of thought

processes to become actual thought Apr pp 272-280 3R

Wu,C.-H. See Wang,C.-J.

Yang,T.-Y. See Chao,S. Yang,Y.K.;Kuo,Y.M. A real-time simulator for the shuttle manipulator system in the system engineering laboratory Jul pp 48-55 3R 9F Young, J.F. See Pearce, B.A.

